

INFORMATION DISCLOSURE STATEMENT

Applicant	:	Katsuro Tachibana et al.
App. No.	:	Unknown
Filed	:	Herewith
For	:	DELIVERY OF THERAPEUTIC COMPOSITIONS USING ULTRASOUND
Examiner	:	Unknown
Group Art Unit	:	Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 137 references that are of record in U.S. patent application No. 10/246,323, filed September 18, 2002, which is the parent of this Continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2-19-04

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. EKOS.8CP3DV1C4	APPLICATION NO. Unknown
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	3,433,226	03/18/69	Boyd			
	2.	4,027,659	06/07/77	Slingsluff			
	3.	4,040,414	08/09/77	Suroff			
	4.	4,319,580	03/16/82	Colley et al.			
	5.	4,354,502	10/19/82	Colley et al.			
	6.	4,512,762	04/23/85	Spears			
	7.	4,531,943	06/30/85	Val Tassel et al.			
	8.	4,573,470	03/1986	Samson et al.			
	9.	4,582,067	04/15/86	Silverstein et al.			
	10.	4,750,902	06/14/88	Wuchinich et al.			
	11.	4,767,402	08/30/88	Kost et al.			
	12.	4,780,212	10/25/88	Kost et al.			
	13.	4,808,153	02/28/89	Parisi			
	14.	4,870,953	10/03/89	don Micheal et al.			
	15.	4,877,031	10/31/89	Conway et al.			
	16.	4,917,102	04/17/90	Miller et al.			
	17.	4,917,088	04/17/90	Crittendon			
	18.	4,920,954	05/01/90	Alliger et al.			
	19.	4,924,863	05/15/90	Sterzer			
	20.	4,936,281	06/26/90	Stasz			
	21.	4,955,863	09/11/90	Walker et al.			
	22.	4,971,991	11/20/90	Umemura et al.			
	23.	4,992,257	02/12/91	Bonnett et al.			
	24.	5,007,898	04/1991	Rosenbluth et al.			
	25.	5,021,044	06/04/91	Sharawy			
	26.	5,149,319	09/22/92	Unger			
	27.	5,158,071	10/27/92	Umemura et al.			

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	28.	5,163,421	11/17/92	Bernstein et al.			
	29.	5,190,766	03/02/93	Ishihara			
	30.	5,197,946	03/30/93	Tachibana			
	31.	5,250,034	10/05/93	Appling et al.			
	32.	5,267,954	12/07/93	Nita			
	33.	5,267,985	12/07/93	Shimada et al.			
	34.	5,269,291	12/14/93	Carter			
	35.	5,282,785	02/01/94	Shapland et al.			
	36.	5,286,254	02/15/94	Shapland et al.			
	37.	5,295,484	03/22/94	Marcus et al.			
	38.	5,304,115	04/19/94	Pflueger et al.			
	39.	5,318,014	06/07/94	Carter			
	40.	5,323,769	06/28/94	Bommannan et al.			
	41.	5,327,891	07/12/94	Rammier			
	42.	5,328,470	07/12/94	Nabel et al.			
	43.	5,344,435	09/06/94	Turner et al.			
	44.	5,345,940	09/13/94	Seward et al.			
	45.	5,353,798	10/11/94	Sieben			
	46.	5,354,279	10/11/94	Hofling			
	47.	5,362,309	11/08/94	Carter			
	48.	5,363,853	11/15/94	Lieber			
	49.	5,368,036	11/29/94	Tanaka et al.			
	50.	5,380,273	01/10/95	Dubrul et al.			
	51.	5,390,678	02/21/95	Gesswein et al.			
	52.	5,419,763	05/1995	Hildebrand			
	53.	5,421,338	06/06/95	Crowley et al.			
	54.	5,423,797	06/13/95	Sorin et al.			

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	55.	5,431,663	07/11/95	Carter			
	56.	5,445,155	08/29/95	Sieben			
	57.	5,447,509	09/05/95	Mills et al.			
	58.	5,458,568	10/17/95	Racchini et al.			
	59.	5,465,726	11/14/95	Dickinson et al.			
	60.	5,474,530	12/12/95	Passafaro et al.			
	61.	5,474,531	12/12/95	Carter			
	62.	5,489,279	02/06/96	Meserol			
	63.	5,498,238	03/12/96	Shapland et al.			
	64.	5,509,896	04/23/96	Carter			
	65.	5,514,092	05/07/96	Forman et al.			
	66.	5,520,189	05/28/96	Malinowski et al.			
	67.	5,542,935	08/1996	Unger et al.			
	68.	5,567,687	10/22/96	Magda et al.			
	69.	5,569,198	10/29/96	Racchini			
	70.	5,594,136	01/14/97	Sessler et al.			
	71.	5,599,923	02/04/97	Sessler et al.			
	72.	5,603,327	02/18/97	Eberle			
	73.	5,606,974	03/04/97	Castellano et al.			
	74.	5,616,342	04/01/97	Lyons			
	75.	5,617,851	04/08/97	Lipkovker			
	76.	5,618,275	04/08/97	Bock			
	77.	5,620,479	04/15/97	Diederich			
	78.	5,628,728	05/13/97	Tachibana et al.			
	79.	5,628,730	05/13/97	Shapland			
	80.	5,630,837	05/20/97	Crowley			
	81.	5,632,970	05/27/97	Sessler et al.			

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	82.	5,660,180	08/26/97	Malinowski et al.			
	83.	5,663,327	09/02/97	Tarabo et al.			
	84.	5,695,460	12/09/97	Siegal et al.			
	85.	5,707,608	01/13/98	Liu			
	86.	5,725,494	03/10/98	Briskin			
	87.	5,733,572	03/31/98	Unger et al.			
	88.	5,735,811	04/07/98	Briskin			
	89.	5,770,222	06/23/98	Unger et al.			
	90.	5,779,644	07/1998	Eberle et al.			
	91.	5,846,218	12/08/98	Briskin et al.			
	92.	5,849,727	12/15/98	Porter et al.			
	93.	5,916,192	06/29/99	Nita et al.			
	94.	5,997,497	12/07/99	Nita et al.			
	95.	6,001,069	12/14/99	Tachibana et al.			
	96.	6,024,718	02/15/00	Chen et al.			
	97.	6,096,000	08/01/00	Tachibana, et al.			
	98.	6,117,858	09/12/00	Porter et al.			
	99.	6,136,792	10/2000	Henderson			
	100.	6,210,356	04/03/01	Anderson et al.			
	101.	6,228,046	05/08/01	Briskin			
	102.	6,245,747	06/12/01	Porter et al.			
	103.	6,287,271	09/11/01	Dubrul et al.			
	104.	6,372,498	04/16/02	Newman et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	105.	DE 39 19 592 A1	02/22/90	Germany				

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	106.	DE 40 05 743	08/29/91	Germany			
	107.	EP 0 529 675	08/31/92	Europe			
	108.	EP 0 629 382	11/08/93	Europe			
	109.	EP 668052 A2	02/17/95	Europe			
	110.	WO 89/04142	05/18/89	PCT			
	111.	WO 91/09629	07/11/91	PCT			
	112.	WO 92/07622	05/14/92	PCT			
	113.	WO 93/08738	05/13/93	PCT			
	114.	WO 94/05361	03/17/94	PCT			
	115.	WO 95/01751	01/19/95	PCT			
	116.	WO 96/27341	09/12/96	PCT			
	117.	WO 96/29935	10/03/96	PCT			
	118.	WO 96/35469	11/14/96	PCT			
	119.	WO 96/36286	11/21/96	PCT			
	120.	WO 97/19645	06/05/97	PCT			
	121.	WO 98/11826	03/26/98	PCT			
	122.	WO 98/48711	11/05/98	PCT			

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	123.	Bao, et al. "Transfection of a Reporter Plasmid into Cultured Cells by Sonoporation <i>In Vitro</i> ," <i>Ultrasound in Med. & Biol.</i> , Vol. 23, No. 6, pp. 953-959, 1997.
	124.	Fechheimer, et al. "Transfection of Mammalian Cells with Plasmid DNA by Scrape Loading and Sonication Loading," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 84, pp. 8463-8467, December 1987.
	125.	Feldman, et al. "Optimal Techniques for Arterial Gene Transfer," <i>Cardiovascular Research</i> , 35 (1997) pp. 391-404.
	126.	Kim, et al. "Ultrasound-Mediated Transfection of Mammalian Cells," <i>Human Gene Therapy</i> , 7:1339-1346 (July 10, 1996).
	127.	Kotnis, et al. "Optimisation of Gene Transfer into Vascular Endothelial Cells Using Electroporation," <i>Eur J Vasc Endovasc Surg</i> , 9, 71-79 (1995).
	128.	Porter, et al. "Interaction of Diagnostic Ultrasound with Synthetic Oligonucleotide-Labeled Perfluorocarbon-Exposed Sonicated Dextrose Albumin Microbubbles," <i>J Ultrasound Med</i> , 15:577-584, 1996.

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EXAMINE R INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	129.	Tsurumi, et al. "Direct Intramuscular Gene Transfer of Naked DNA Encoding Vascular Endothelial Growth Factor Augments Collateral Development and Tissue Perfusion," <i>Circulation</i> , 1996;94:3281-3290.
	130.	Unger, et al. "Ultrasound Enhances Gene Expression of Liposomal Transfection," <i>Investigative Radiology</i> , Vol. 32, No. 12, pp. 723-727, 1997.
	131.	Wyber, et al. "The Use of Sonication for the Efficient Delivery of Plasmid DNA into Cells," <i>Pharmaceutical Research</i> , Vol. 14, No. 6, pp. 750-756, 1997.
	132.	Hynynen, et al. "Small Cylindrical Ultrasound Sources for Induction of Hyperthermia via Body Cavities of Interstitial Implants," <i>Arizona Cancer Center and Department of Radiation Oncology, University of Arizona Health Sciences Center</i> , Vol. 9, No. 2, pp. 263-274, 1993
	133.	Lee, et al. "Arrays of Multielement Ultrasound Applicators for Interstitial Hyperthermia," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 46, No. 7, July 1999.
	134.	Maywal, et al. "Experience with Atraumatic Vascular Diagnosis with the aid of the Ultrasonic Doppler Technique," <i>Electromedica</i> , Vol. 2, pp. 43-48, 1976.
	135.	Japanese Journal of Cancer Research, Vol. 81, No. 3, pp. 304-308, March, 1990.
	136.	Cancer Letters, Vol. 78 (1-3), pp. 177-181, 1994.
	137.	Cancer Letters, Vol. 72, pp. 195-199, 1993.

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